

IN THE SPECIFICATION:

Please substitute the following paragraph for the paragraph at page 4, lns. 6-12.

A1
The positional relationship between the evaporation source of the present invention and the substrate is shown in Figs. 1A to 1C. Fig. 1A is a top view, Fig. 1B is a cross sectional diagram of Fig. 1A cut along the line segment B-B', and Fig. 1C is a cross sectional diagram of Fig. 1A cut along the line segment C-C'. Note that, common symbols are used in Figs. 1A to 1C.

IN THE CLAIMS:

Please amend the claims as follows:

Please cancel Claims 1-19.

A2
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~~20 (Amended). A method of manufacturing a display device comprising:~~
~~providing a first evaporation source in a first evaporation chamber;~~
~~providing a second evaporation source in a second evaporation chamber wherein said first and second evaporation chambers are connected with each other through at least one gate and each of the first and second evaporation sources has an elongated shape;~~
~~disposing a substrate in the first evaporation chamber;~~
~~evaporating a first material from said first evaporation source to deposit said first material over the substrate wherein the relative position of the substrate is moved with respect to the first evaporation source during the evaporation of the first material;~~
~~transferring the substrate from the first evaporation chamber into the second evaporation chamber after the deposition of the first material;~~

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evaporating a second material from said second evaporation source to deposit said second material over the substrate wherein the relative position of the substrate is moved with respect to the second evaporation source during the evaporation of the second material.

Please add the following new claims:

21 (New). The method according to claim 20 further comprising a step of cleaning an inside of the first and second evaporation chambers, respectively.

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22 (New). The method according to claim 20 wherein said first and second evaporation chambers are connected to each other through a conveyor chamber.

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23 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating an organic material from said evaporation source to deposit said organic material over the substrate wherein said evaporation source has an elongated shape extending along a first direction; and

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repeatedly moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the material in order that a same portion of the substrate is coated with the organic material at least twice.

24 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating an organic material from said evaporation source to deposit said organic material

over the substrate wherein said evaporation source has an elongated shape extending along a first direction; and

repeatedly moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the organic material in order that a same portion of the substrate is coated with the organic material at least twice, wherein said evaporation source is longer than at least one edge of the substrate.

25 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating an organic material for a light emitting layer from said evaporation source to deposit said organic material over the substrate wherein said evaporation source has an elongated shape extending along a first direction; and

repeatedly moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the organic material in order that a same portion of the substrate is coated with the organic material at least twice, wherein said evaporation source is longer than at least one edge of the substrate.

26 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the substrate wherein said evaporation source comprises a plurality of evaporation cells arranged along a first direction; and

moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the material.

27 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the substrate wherein said evaporation source comprises a plurality of evaporation cells arranged along a first direction; and
moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the material,
wherein said evaporation source is longer than at least one edge of the substrate.

28 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the substrate wherein said evaporation source comprises a plurality of evaporation cells arranged along a first direction; and
repeatedly moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the material in order that a same portion of the substrate is coated with the material at least twice,
wherein said evaporation source is longer than at least one edge of the substrate.

29 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the substrate wherein said evaporation source has an elongated shape extending along a first direction;
moving the relative position of the evaporation source with respect to the substrate along a

second direction during the step of evaporating the material; and
cleaning an inside of the evaporation chamber.

30 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the
substrate wherein said evaporation source has an elongated shape extending along a first direction;
moving the relative position of the evaporation source with respect to the substrate along a
second direction during the step of evaporating the material; and
cleaning an inside of the evaporation chamber,
wherein said evaporation source is longer than at least one edge of the substrate.

31 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the
substrate wherein said evaporation source comprises a plurality of evaporation cells arranged along
a first direction;
moving the relative position of the evaporation source with respect to the substrate along a
second direction during the step of evaporating the material; and
cleaning an inside of the evaporation chamber.

32 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the

substrate wherein said evaporation source comprises a plurality of evaporation cells arranged along a first direction;

moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the material; and
cleaning an inside of the evaporation chamber,
wherein said evaporation source is longer than at least one edge of the substrate.

33 (New). A method of manufacturing a display device comprising:

providing a substrate and an evaporation source in an evaporation chamber;
evaporating an organic material from said evaporation source to deposit said organic material over the substrate through a shadow mask wherein said evaporation source has an elongated shape extending along a first direction; and

repeatedly moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the organic material in order that a same portion of the substrate is coated with the organic material at least twice,

wherein said shadow mask is provided by an electromagnet with the substrate being located between the shadow mask and the electromagnet.

34 (New). A method of manufacturing a display device comprising:

providing a substrate and an evaporation source in an evaporation chamber;
evaporating an organic material from said evaporation source to deposit said organic material over the substrate through a shadow mask wherein said evaporation source has an elongated shape extending along a first direction; and

repeatedly moving the relative position of the evaporation source with respect to the

substrate along a second direction during the step of evaporating the organic material in order that a same portion of the substrate is coated with the material at least twice,

wherein said evaporation source is longer than at least one edge of the substrate; and

wherein said shadow mask is provided by an electromagnet with the substrate being located between the shadow mask and the electromagnet.

35 (New). A method of manufacturing a display device comprising:

providing a substrate and an evaporation source in an evaporation chamber;

evaporating a material from said evaporation source to deposit said material over the substrate through a shadow mask wherein said evaporation source comprises a plurality of evaporation cells arranged along a first direction; and

moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the material; and

wherein said shadow mask is provided by an electromagnet with the substrate being located between the shadow mask and the electromagnet.

36 (New). A method of manufacturing a display device comprising:

providing a substrate and an evaporation source in an evaporation chamber;

evaporating a material from said evaporation source to deposit said material over the substrate through a shadow mask wherein said evaporation source comprises a plurality of evaporation cells arranged along a first direction; and

moving the relative position of the evaporation source with respect to the substrate along a second direction during the step of evaporating the material,

wherein said evaporation source is longer than at least one edge of the substrate, and

wherein said shadow mask is provided by an electromagnet with the substrate being located between the shadow mask and the electromagnet.

37 (New). A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein each of the first and second evaporation sources has an elongated shape extending along a first direction;

disposing a substrate in the evaporation chamber;

evaporating a first material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

moving the relative position of the first evaporation source with respect to the substrate along a second direction during the step of evaporating the first material; and

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material.

38 (New). A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein each of the first and second evaporation sources has an elongated shape extending

along a first direction;

disposing a substrate in the evaporation chamber;

evaporating a first material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

moving the relative position of the first evaporation source with respect to the substrate along a second direction during the step of evaporating the first material; and

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material,

wherein each of the first and second evaporation sources is longer than at least one edge of the substrate.

39 (New). A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber wherein the first evaporation source comprises a plurality of first evaporation cells arranged along a first direction;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein the second evaporation source comprises a plurality of second evaporation cells;

disposing a substrate in the evaporation chamber;

evaporating a first material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material so that the plurality of second evaporation cells are arranged in the first direction;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

moving the relative position of the first evaporation source with respect to the substrate along a second direction during the step of evaporating the first material; and

moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material.

40 (New). A method of manufacturing a display device comprising:

providing a first evaporation source in an evaporation chamber wherein the first evaporation source comprises a plurality of first evaporation cells arranged along a first direction;

providing a second evaporation source in a second chamber connected to the evaporation chamber wherein the second evaporation source comprises a plurality of second evaporation cells;

disposing a substrate in the evaporation chamber;

evaporating a first material from said first evaporation source to deposit said first material over the substrate;

transferring the second evaporation source from the second chamber into the evaporation chamber after evaporating the first material so that the plurality of second evaporation cells are arranged in the first direction;

evaporating a second material from said second evaporation source to deposit said second material over the substrate in the evaporation chamber;

moving the relative position of the first evaporation source with respect to the substrate along a second direction during the step of evaporating the first material; and
moving the relative position of the second evaporation source with respect to the substrate along the second direction during the step of evaporating the second material,
wherein each of the first and second evaporation sources is longer than at least one edge of the substrate.

41 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating an organic material for a light emitting layer from said evaporation source to deposit said organic material over the substrate; and
repeatedly moving the relative position of the evaporation source with respect to the substrate in order that a same portion of the substrate is coated with the material at least twice.

42 (New). A method of manufacturing a display device comprising:
providing a substrate and an evaporation source in an evaporation chamber;
evaporating a material from said evaporation source to deposit said material over the substrate;
moving the relative position of the evaporation source with respect to the substrate; and
cleaning an inside of the evaporation chamber.

43 (New). The method according to any one of claims 23-40 wherein said second direction is orthogonal to the first direction.

44 (New). The method according to claim 20 wherein the relative position of the first evaporation source is moved with respect to the substrate in a direction orthogonal to an elongation direction of the first evaporation source.

45 (New). The method according to claim 20 wherein the relative position of the second evaporation source is moved with respect to the substrate in a direction orthogonal to an elongation direction of the second evaporation source.

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46 (New). The method according to any one of claims 23-36 and 41-42 wherein said material comprises a light emitting material.

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47 (New). The method according to any one of claims 26-32, 35, 36 and 42 wherein said material is an organic material.

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48 (New). The method according to any one of claims 20 and 37-40 wherein at least one of the first and second materials is an organic material.

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49 (New). The method according to any one of claims 20 and 23-42 wherein said display device is an active matrix type electroluminescence display device.

50 (New). The method according to claim 23 wherein said evaporation source has a length greater than 300 mm.